



IFIP Event 02691

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Seventh International Conference



HET-NETs 2013



**Performance and Security Modelling & Evaluation of
Cooperative Heterogeneous Networks**

&

First EU PhD Course

NET-PEN 2013

Networks and Performance Engineering

Mon 11th – Wed 13th Nov. 2013

Venue: Craiglands Hotel, Ilkley, West Yorkshire, England, UK

General Chair

Demetres D Kouvatsos (University of Bradford, UK)

PC Co-Chairs

Simonetta Balsamo (University of Ca' Foscari of Venetia, Italy)

Yutaka Takahashi (Kyoto University, Japan)

Announcement and CFPs

The Seventh Int. HET-NET 2013 Conference is organised under the auspices of IFIP - International Federation of Information Processing (IFIP Event 02691) and in collaboration with the University of Bradford, Bradford, England (U.K.).

The HET-NETs 2013 conference aims to (i) motivate fundamental theoretical and applied research into the performance and security modelling, analysis, standardisation and engineering of evolving, cooperative and converging multi-service networks of diverse technology and the future generation Internet (FGI) and (ii) provide the platform for the staging of the First EU PhD course 'NET-PEN 2013', based on selected HET-NETs 2013 technical papers and tutorials.

The conference has its roots, as a main workpackage, in the research dissemination programmes of the Networks of Excellence (NoE) Euro-NGI and Euro-FGI concerning with the ‘Design and Engineering of the Next and Future Generation Internets – Towards the Convergence of Multi-service Heterogeneous Networks’. Moreover, it is also supported by the major EU IST consortiums IASON and VITAL focusing on the ‘Generic Evaluation Platform for Services Interoperability and Networks’ and ‘Mobility Management and Quality-of-Service (QoS) Mechanisms for Convergent IP Multimedia Services (IMS) over Next Generation Networks’.

It is anticipated that these events, as in past HET-NETs working conferences, will bring together experts as well as research students from both industry and academia worldwide. These events will provide the platform to share knowledge and exchange innovative ideas towards performance vs. security ‘optimal’ trade-offs for cooperative heterogeneous networks, in conjunction with mobility management and quality-of service (QoS) and establish new initiatives towards research integration and collaboration in these important fields.

Contributions are encouraged on, but are not limited to, the following technical themes:

- *Network Traffic Modelling, Characterisation and Engineering;*
- *Experimental Performance Validation and Measurement Platforms;*
- *Modelling Performance vs. Security Trade-offs in Heterogeneous Networks;*
- *Energy-Aware Security and QoS Routing Trade-offs in Wireless Networks;*
- *Queueing Theoretic-based Models for Intrusion Detection and Elimination Systems;*
- *Cognitive Radio Networks (CRNs) with or without Cloud Supporting Platforms;*
- *Network Security Management Models for Quantum Key Distributions;*
- *QoS Protocols for Vehicular (VANETs) and Robotic (RANETs) Ad Hoc Networks;*
- *Numerical, Simulation and Analytic Methodologies and Quantitative Tools;*
- *Queueing Network Models (QNM) and Generalised Stochastic Petri Nets (GSPNs) with Blocking;*
- *Optimal Group Network Communication (Broadcasting / Multicasting) Schemes;*
- *Performance vs. Security Issues in Optical Networks;*
- *QoS and Mobility Management in Wireless Networks;*
- *Modelling and Quantitative Analysis of Overlay Networks;*
- *End-to-End QoS in Cooperative Heterogeneous Networks;*
- *Quality Feedback for Perceived Service Dependability;*
- *Standardisation Issues in Cooperative Heterogeneous Networks.*

Website of HET-NETs 2013 Conference and NET-PEN PhD Course:

[<http://www.hetnets2013.eu/>](http://www.hetnets2013.eu/) (To be progressively updated)

Conference and PhD Course Technical Programmes, Timetables and Social Events, Registration, Travelling Instructions and Accommodation
(To be announced)

Publications

- HET-NETs 2013 E-Proceedings and in Research Webshelf of River Publishers
[<www.researchwebshelf.com>](http://www.researchwebshelf.com);

- After HET-NETs 2013: To edit an IFIP Book and Special Journal Issues of extended HET-NETs 2013 papers selected, subject to additional peer reviews, in WIRE / COMCOM / JCSS / Green Engineering.

Provisional TP Committees

Track I: Perform. vs. Security Trade-offs	Track II. Mobility Management & QoS	Track III. Analytic Methods and Tools
<p>Tulin Atmaca, Paris, France Irfan Ullah Awan, Bradford, U.K. Monique Becker (AB), Paris, France Andre-Luc Beylot, Toulouse, France Hermann Brand (AB), ETSI, France John Cosmas, Brunel, U.K. Laurie Cuthbert, London, U.K. Tien Do, Budapest, Hungary Markus Fiedler, Karlskrona, Sweden Erik R Fledderus, TNO, The Netherlands Karin Anna Hummel, Vienna, Austria Stephen Jarvis, Reading, U.K. Udo Krieger, Bamberg, Germany Michael Logothetis, Patras, Greece Jim Martin, Clemson, U.S.A. Anand R Prasad (AB), NEC, Japan Henrik Schiöler, Aalborg, Denmark Charles Shoniregun, ICITST, U.K. Maciej Stasiak, Poznan, Poland Zhili Sun, Surrey, U.K. Nigel Thomas, Newcastle, U.K. Tereza Vazao, Lisbon, Portugal Vassilis Velentzas (AB), Teletel S.A., Greece</p>	<p>Vicente Casares-Giner, Valencia, Spain Der-Jiunn Deng, Nat Taiwan Uni., Taiwan Erol Gelenbe, London, U.K. Ilias Iliadis (AB), IBM Zurich, Switzerland Paola Iovanna, Ericsson, Italy Villy Baek Iversen, Lynby, Denmark Christoforos Kavadias, Teletel SA, Greece Kimon Kontovassilis, Athens, Greece George Kormentzas, Samos, Greece Udo Krieger, Bamberg, Germany Janos Levendovszky, Budapest, Hungary Nicholas Mitrou, Athens, Greece Ioannis Moscholios, Tripolis, Greece Josef Noll, Oslo, Norway Michèle Pagano, Pisa, Italy Ruben Pereira, Liverpool, U.K. Vicent Pla, Valencia, Spain Javier Poncela, Malaga, Spain Adrian Popescu (AB), Karlskrona, Sweden Roberto Sabella (AB), Ericsson, Italy David Remondo-Bueno, Barcelona, Spain Ross Velentzas, AdvTec Ltd., U.K. Shingo Watanabe, KDDI R&D Labs, Japan</p>	<p>Eitan Altman, INRIA, France Vladimir Anisimov (AB), Reading, U.K. Richard Boucherie, Amsterdam, Netherlands Chris Blondia, Antwerp, Belgium Herwig Bruneel, Ghent, Belgium Ram Chakka, Meerut, India Tadeusz Czachorski, Gliwice, Poland Peter Harrison, London, U.K. Wojciech Kabacinski, Poznan, Poland Khanik Kerobyan, Moscow, Russia Hadi Larizani, Glasgow, U.K. Wei Li, JiNan ShanDong, P.R. China Geyong Min, Exeter, U.K. Isi Mitrani, Newcastle, U.K. Is-Haka Mkwawa, Plymouth, U.K. Natalia M Markovich, Moscow, Russia Pablo Belzarena, Montevideo, Uruguay Michal Pioro, Warsaw, Poland Maria Simon (AB), Montevideo, Uruguay Harry Skianis, Samos, Greece Janos Sztrik, Debrecen, Hungary Villen-Altamirano, Madrid, Spain Sabine Wittevrongel (AB), Ghent, Belgium</p>

Local Organising Committee

Guzlan M A Miskeen (Chair), Rana R Ahmed, Irfan Ullah Awan, Mukhtar I Bello, Attila Csenki, Rod J Fretwell, Pauline M L Chan, Esmacil Habibzadeh, Neil Saxton, Karim Hamoud Sadik, Neel P Shah, Abdulaziz Aljohani, Hatem Ibrahim.

Extended Closing Dates

- **Mon 14th of Oct. 2013:** Submission of Papers (up to six A4 pages), Works-in-Progress (up to two A4 pages) and Posters (a single A4 page) for peer review;
- **Sat 19th of Oct. 2013:** Confirmation of Acceptance / Rejection;
- **Fri 25th of Oct. 2013:** Camera Ready Papers (up to ten A4 pages), Works-in-Progress (up to six A4 pages) and Posters (up to four A4 pages).

All paper submissions should be sent to Miss Guzman MA Miskeen _ Local Chair HET-NETs 2013 <HETNETs2013@gmail.com>.

For more information on the staging of HET-NETs 2013 and NET-PEN 2013, please contact Prof Demetres D Kouvatsos <D.Kouvatsos@Bradford.ac.uk>.